

ABSTRACT

In a drive loadable with storage media of different types, a data stream is recorded directly on a given storage medium at a write rate and in a recording format associated with the storage medium.

When loaded with a storage medium on which a data stream representing standard resolution video is recordable and when receiving a data stream representing high resolution video, the data processor converts the high resolution video into the standard resolution video and record it on the storage medium. In this case, since the format of the data stream received is different from that of the data stream recordable on the storage medium, a data stream in a format compatible with the storage medium is generated. On the other hand, when loaded with a storage medium on which a data stream representing high resolution video is recordable, the data stream is recorded on the storage medium as it is without converting its resolution or format.